

Appl. No. 09/746,270
Amdt. Dated: Nov. 5, 2004
Reply to Office Action of July 7, 2004

Amendments to the Specification:

On Page 2, replace paragraph starting at line 6 with:

This situation does not provide the capabilities for a consumer to browse a selection of ring tones. Furthermore, each SMS or the like message may result in a charge to the consumer, even if the ring tone is not suit the consumer. Examples of message billing are provided by International Application Number PCT/FI99/00935, published on May 18, 2000, assigned Publication Number WO 00/28746 entitled MESSAGE COMMUNICATION CHARGING (assigned United States Serial Number 09/850,036 and International Application Number PCT/FI98/00474, published on December 10, 1998, assigned Publication Number WO 98/56202 entitled BILLING MOBILE TERMINATED SHORT MESSAGES (assigned United States Serial Number 09/545,119). All said patent applications are assigned to a related entities of the assignee of the present invention and are incorporated herein by reference.

On Page 2, replace paragraph starting at line 17 with:

There are currently websites from which a consumer may receive instructions and text which will allow them to manually program a tune into a mobile station or send ring tones to Nokia brand mobile stations. Examples of such sites are Club Nokia and YourMobile ~~www.clubnokia.com and www.yourmobile.com~~. This requires the user to have access to a personal computer (PC) or other World-Wide-Web (WWW) surfing device using browsers that support basic industry standards such as Hypertext Transfer Protocol (HTTP) and Hypertext Mark-up Language (HTML). Such WWW sites have been designed for desktop PCs and faster connections and do not function well in narrow bandwidth and limited screen size devices.

On Page 2, replace paragraph starting at line 26 with:

Recent advancements in web protocols have resulted in the creation of the Wireless Application Protocol (WAP). WAP solutions using Handheld Device Markup

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Language (HDML) or Wireless Markup Language (WML) allow web content to be adapted for use on narrow bandwidth and limited screen size handheld devices such as mobile stations. Mobile station manufactures are embedding high-value added applications such as WAP compliant microbrowsers in their mobile stations that allow the mobile stations to function as a client for services and content from the Internet through a wireless portal. Microbrowsers may be logic in the form of software or firmware embedded in the end user device that enables the device to interact with a gateway on a network. Examples of microbrowsers are the Nokia Microbrowser as shown in Appendix A—herein incorporated by reference and UP.Browser from OpenWave previously known as Phone.com (Redwood City, California; www.phone.com). A style guide for HDML may also be obtained from Openwave and other sources (www.phone.com) and is incorporated herein by reference.

On Page 3, replace paragraph starting at line 7 with:

A wireless portal or gateway is the point of entry through which the user accesses Internet content and services. The portal may send content and/or services to the user (referred to as PUSH) or the user may request content or services from the portal provider (referred to as PULL). An example of such a portal would be the Nokia Artus MAX Platform—~~from~~ (Nokia Corporation; Irving, Texas) (~~www.nokia.com/wap/products.html~~).

On Page 3, replace paragraph starting at line 12 with:

Information on WAP can be obtained at the Wapforum (~~www.wapforum.org~~) or *Understanding WAP; Wireless Applications, Devices, and Services*; ISBN 1-58053-093-1; Artech House Publishers (~~Boston, www.artechhouse.com~~) herein incorporated by reference.

On Page 6, replace paragraph starting at line 21 with:

Narrow-Band Sockets Specification, Revision 1.0, March 7, 1997 may be downloaded from Nokia Forum the URL ~~www.forum.nokia.com~~ as can a white paper entitled *Narrowband Sockets; A wireless messaging protocol and API for enabling*

Appl. No. 09/746,270
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AOAC mobile communications. Both specification and white paper are incorporated herein by reference.

On Page 7, replace paragraph starting at line 17 with:

Information on CDMA is provided by Telecommunications Standards (TIA). The books *IS-95 CDMA and CDMA2000* by Vijay K. Garg; ISBN 0-13-087112-5; published by Prentice Hall (New Jersey; www.phptr.com) and WCDMA for UMTS Radio Access for Third Generation Mobile Communications edited by Harri Holma and Antti Toskala (both of Nokia, Finland); ISBN 0 471 72051 8; published by John Wiley and Sons, Ltd (England; www.wiley.com) provide a understanding of the material. Both books are incorporated herein by reference.

On Page 8, replace paragraph starting at line 9 with:

The display may also be a virtual display such as is provided by MicroVision (Seattle, Washington). The display may also be the housing of mobile station 100 using electronic ink from E Ink Corporation (~~www.eink.com~~; Cambridge, Massachusetts), and Lucent Technologies' (Cambridge, Massachusetts) active-matrix drive circuits printed on plastic. The special inks consist of nanometer-sized semiconductor particles such as those developed by Joseph Jacobson et al. Attention is directed to U. S. Patent Nos. 5,930,026; 5,961,804; 6,017,584; 6,072,716; 6,118,426; 6,120,588; 6,120,839; and 6,130,773, all of which are herein incorporated by reference. The work on this technology has been conducted at MIT, and more recently at E Ink.

On Page 8, replace paragraph starting at line 25 with:

Mobile station 100 also may have infrared transceiver 150 or other means of local data transfer so that data may be shared with other devices such as other mobile stations, car guidance systems, printers and the like. The sharing of data may also be provided by a Radio Frequency IDentification (RFID) transponder tag that is known to those in the art as a means for local data transfer. Mobile station 100 may also include a charge couple device or other such image capture device. Another means for sharing

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data is provided by Bluetooth. ~~Information regarding Bluetooth can be found at www.bluetooth.com.~~

On Page 9, replace first paragraph starting at line 1 with:

Details on WAP architecture and specifications are available from the WAP Forum ~~located at www.wapforum.org~~ and are herein incorporated by reference. The WAP specifications provides for a Wireless Applications Environment (WAE). WAE is provides a general application environment which builds on the World Wide Web (WWW) model of technologies.

On Page 20, delete paragraph starting at line 3 and ending at 5.

On Page 23, replace paragraph starting at line 18 with:

Having the carrier handle the accounting allows for small transactions which may include fractions of cents to be combined with other charges for convenient billing/crediting and payment. The carrier made perform the accounting "in-house" or they may rely on accounting agents or other 3rd parties who have developed accounting systems. Examples of such systems are Lucent's Kenan system (~~www.kenan.com~~; Cambridge, Massachusetts) or Amdocs' Ensemble (~~www.amdocs.com~~; Stamford, Connecticut). Accounting for copyright royalties and other costs associated with content provision may be perform by the accounting system.

On Page 24, replace paragraph starting at line 7 with:

Instead of a Pull process which has been described herein, wherein the user is pulling the content from the media server, a Push process may be used. As an example, in a Bluetooth enabled mobile station, promoters would be able to offer ring tunes to the user. ~~Information regarding Bluetooth may be found at www.bluetooth.com.~~